

PATENT ABSTRACTS OF JAPAN

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(54) SUBSCRIBER RADIO ACCESS SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To perform high throughput communication by correcting an Ethernet packet that uses a carrier sense multiple access(CSMA) protocol to a packet length that corresponds to transmission delay time between terminals of a radio channel.

SOLUTION: Packet communication is performed between plural terminal stations 30 to 32 and a base station 2 that is connected to a sensor 1 by a radio channel. Time to go to and return from a transmitting medium here is a time that is counted from the point of the end of a packet which is sent from a sending terminal station until the leading of the packet reaches a sending destination terminal station. Then, the length of the packet is made long, e.g. by adding a dummy packet I to a packet II of a packet length which is defined by a CSMA protocol of Ethernet. With this, it is possible to correctly detect collision even when a radio section is long.

